Abstract of the Disclosure

RADAR DEVICE FOR A VEHICLE

A radar device mounted to a vehicle includes a camera for obtaining images including the road surface in front of or behind the vehicle on which it is mounted, a sensor having for obtaining at least positional information on a target object of detection such as another vehicle in front or behind and a control unit for correcting the direction of the center axis of the sensor based on the image obtained by the camera. The control unit detects a line segment along a lane in which the vehicle is traveling, detects a vector indicative of the direction on a road-fixed coordinate system of the obtained line segment, and controls correction of horizontal and vertical directions of the center axis of the sensor so as to coincide with the direction of the detected vector.